1: Turnbull E-4. 5 (1951-1955) 1965 FO4 Pygmies FO4
Mbuti

Also, according to Putnam (MS), the Pygmy never cuts a piece of wood larger than an inch in diameter. He cuts wood to make his bows, arrows, spear shafts, and ax hafts. The women use saplings of no greater size to construct the frames of the huts. 313

The material used by the Mbuti throughout the forest is vegetable fiber. From this they make the barkcloth that is their only clothing; the twisted vine that makes their hunting nets; the strings for their bows; carrying baskets and tumplines; and the basketry caps mentioned by Schebesta (1952, 173), who writes (1952, 125) that he has also seen basketry quivers. 28

The Mbuti everywhere use the large phrynium leaves that abound in the forest for roofing their huts, though when near a village plantation they may use plantain leaves. Phrynium leaves are also used in default of villager-manufactured or trade utensils, for carrying water, as cups, and pipe bowls. They use the juices of certain plants and barks for dyes for decoration of body and of barkcloth. 824 [342] [345] [386]

Mbuti exploitation of the forest has no adverse repercussions, as they move camp frequently. Among the net hunters every month or two is Putnam's estimate (1948, 335, 336). 221 361 184

[P. 165-D]

1: Turnbull E-4. 5 (1951-1955) 1985 FO4 Pygmies FO4
Mbuti

[ARCHERS]

[P.167-C]

ground on four short forked branches. More often the sticks, or simply leaves, are laid on the ground to make a bed. There may also be a wooden stool, given by or stolen from the villagers, or a rough chair made from stout saplings lashed together with vine. Meat-drying racks (Fig. 12) are built over smouldering fires to preserve meat for barter.

352 417 251

UTENSILS

Cooking utensils, clay pots, and heavy wooden mortars are obtained from the villagers (Fig. 4). The first-mentioned are never made by the Mbuti, but Schebesta says that many archers now make mortars for themselves. There may also be wooden plates of village origin, baskets, and basketry winnowing trays. All metal knife and ax blades (Figs. 13–14) also come from the villagers, and, like the cooking utensils, these foreign importations are said to have become indispensable to the archers.

415 412 177 [439] 412 177 [439]

I: Turnbull E-4. 5 (1951-1955) 1955 FO4 Pygmies FO4
Mbuti

[ARCHERS]

782 All Mbuti are said by Schebesta to offer a portion of food to the God of the Undergrowth. We can take this to apply to the archers. The practice seems to concern only food that has been hunted or gathered—game, honey, and vegetable products. The offering, never made with great fervor, may simply be thrown into the undergrowth, either in silence or with a brief comment such as "*Mugu! daó a iye!*" ("*Mugu!* This is for you!"). Alternatively, it may be placed on a leaf and taken with care into the forest and put in the fork of a tree, with or without an invocation. Stakes may be used, driven into the ground, forked into three or more branches at the upper end. Clay pots (obtained from villagers) or potsherds are placed in these forks for the offerings. Holes in the sides of trees are also used as a depository for offerings. The Mbuti do not usually use special shrines or spirit huts, affirms Schebesta, though in imitation of the villager ancestor shrines, they sometimes build crude shelters for the God of the Undergrowth and, on occasion, place offerings there.

[415] [177]

According to one of Schebesta's archer informants, sacrifice following the hunt is not to Toré but to the *lodi* (the dead) who then intercede with Toré.

[224] [769] [776]

Another important sacrifice is made for the re-opening of the forest (*abo lese* or *sulia*). Continuously bad hunting may be attributed to the anger of the God of the Undergrowth, caused by

782 776 224

[P. 190 - B]

1: Turnbull E-4.5 (1951-1955) 1965 FO4 Pygmies FO4
Mbuti
Bira FO11

[NET HUNTERS]

B
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FIG. 21. Household utensils of metal, Bira villagers, Central Ituri. a. Machete, used for cutting large saplings such as those required for village houses. b. Cooking vessel (trade), needed for the cooking of village foods, such as rice, requiring boiling. c. Comb. Another villager use of metal that finds favor among the Mbuti. d. Cooking vessel. e. Knife. f. Knife, used mainly, and widely, by Mbuti women for food preparation and for the preparation of roofing leaves. These are the common household utensils of metal that might be found in any net-hunting camp.

P
[199]
439

[P.196-B]

I: Turnbull E-4.8 (1951-1958) 1965 FO4 Pygmies FO4
Mbuti

[NET HUNTERS]

[P 210-A]

• 415
222

[534]

FIG. 43. Gathering equipment, net hunters. a. Bark honey container, *elimba*, Epulu District, Central Ituri. b. Vine-and-leaf honey container, *apayakiri*, West Nduye District, Central Ituri. Normally the bark container is used, but if the Mbuti come across honey unexpectedly, they improvise a container of leaves supported by vine strands. This may be found among both archers and net hunters. c-d. Clappers, *eglengle*, used exclusively by the Mbuti during the honey season to accompany honey songs, Epulu District, Central Ituri.

1: Turnbull E-4. 5 (1951-1955) 1965 FO4 Pygmies FO4
Mbuti

In the left [NET HUNTERS] hand they carry a smouldering log end wrapped in a phrynium leaf, and they may also carry a baby on the left hip in a sling. Special utensils of Mbuti origin include a bark container (Fig. 32a) sealed with *kasuku* resin, and a fragile vine basket lined with leaves (Fig. 43b). Hardwood rhythm sticks, *ngbengbe* (Fig. 43c), are cut and used during the honey season.

222 [372] [854] [415] [534]

Drinks, Narcotics, and Stimulants

276 [184]

The information available is exactly the same as that given by Schebesta for the archers. Pipestems and bowls are borrowed from vil-

[P 210-C]

1: Turnbull E-4,5 (1951-1955) 1965 FO4 Pygmies FO4
Mbuti

[P 299]

/Plate 33/
/Caption appears on p. 298/

2: Turnbull E-5 (1961-1968) 1965 PO4 Pygmies PO4
Mbuti

out of that vicinity, however, they keep track of it, and they send out scouts to help them decide the best location for their next hunting camp.

Insofar as the Mbuti are dependent upon the villagers for village foods, thus far are they dependent also for certain items of material culture, in metal, pottery and wood. Even so, of the village foods only rice and beans (neither of which can be considered as staples even among the villagers) demand pottery or metal cooking vessels. Trade vessels of aluminum are rapidly replacing all pottery vessels. Manioc, plantains, corn and peanuts can be roasted, the sweet banana and peanut can be eaten raw, and manioc can also be eaten without cooking if it is first soaked in cold water for several days.

However, in every Mbuti village camp each household will boast at least one metal vessel, and there will be one or two wooden mortars and pestles for common usage. In addition, there is only the metal knife blade which might be said to be necessary to the Mbuti in their village life, for peeling, scraping and cutting the manioc root, and the metal ax blade needed for cutting the saplings used in the construction of either village-type houses or forest-style huts. The technological dependence of the Mbuti upon the villagers, in the village, is then not great, and is directly contingent upon Mbuti dependence upon village foods in the same context.

We shall see that in the forest context, as with food, there is no essential dependence either on materials such as metal, or on skill in working them. It has been argued that the Mbuti hunt is dependent upon metal arrow-points, spear blades, and knife blades. It is not. We shall see that the Mbuti frequently prefer to use the poisoned arrows that have only a fire-hardened tip, for sound practical reasons; that they use the spear primarily for defense rather than offense, and in any case still retain knowledge of the fire-hardened point and the belief that it is as effective as metal except, possibly, against buffalo and elephant. Old Mbuti assert that fire-hardened spears are effective even against the largest game. Slit bamboo and slit reeds offer adequate cutting surfaces, though they dull quickly and are seldom used today; they could, however, successfully replace the metal knife as far as the forest life of the Mbuti is concerned. There are certain types of vine that have a highly abrasive surface and can be used for scraping *itaba* roots. Of all the village utensils, the two that the Mbuti would miss the most would be the machete and the ax blade. The machete is used for cutting the light *fito* saplings that form the framework for

2: Turnbull E-5 (1951-1958) 1965 FO4 Pygmies FO4
Mbuti
Congo-Kinshasa FO1

[P.108-D]

4. Mbuti girl helps village woman pound manioc in shade of plantain tree.

2: Turnbull E-5 (1951-1958) 1965 FO4 Pygmies FO4
Mbuti

[P.108-HJ]

9. The Mbuti village hearth was never completed, and remained marked only by four posts.

10. While in the village camp, an Mbuti mother borrows or steals many luxuries too bulky or heavy to carry with her into the forest. Of the mortar and pestle, stool, metal cooking vessels, enamel bowls and bottle of palm oil, she will probably return to the forest with only one vessel.

2: Turnbull E-5 (1951-1958) 1965 FO4 Pygmies FO4
Mbuti

It is significant that the honey season should be marked among the Mbuti by a special type of song, musically distinct from the other types, and by a ritual dance involving ritual use of fire. I have seen this dance throughout the forest, and heard the same distinctive honey song, the latter being made all the more distinct by the use of special wooden clappers called *ngbengbe* by the net-hunters of the Epulu region, *epopo* or *koko* by the archers further east.

Many different kinds of honey are recognized, and each has its own distinctive taste. All that I tasted were exceptionally sweet except for the *apuma* honey, which is very liquid and highly fermented by the time it is collected late in the season. Most honey is found high up in holes in the upper branches of the tallest trees. This is always collected by men and youths who can climb trees, unless the diameter is too great, simply by exerting lateral pressure on the trunk with their arms while they move their feet up, pulling themselves close to the trunk with a jerk as they move their arms up. If a tree is too wide to climb this way, they may loop a vine around it, holding the ends with their hands, or they may climb a smaller tree nearby and jump across where the branches meet higher up. Hollow trunks or branches are used by bees as hives.

Other honey is found a few feet above ground level, again in a hollow tree trunk, and this is the only kind of honey, except for the rare *sundu*, which is found in the ground, that a woman may collect.

The actual collecting procedure is the same. If the entrance to the hive is small, it has to be widened with an ax. Then a leaf tube in which there are smoldering embers is introduced into the hole, and by blowing through the other end, the Mbuti fills the hive with smoke and drives out the bees. Most of the bees do not sting at all, and those that do sting do not seem to cause any great pain. Even before they have all left the hive the collector puts his arm in and pulls out handfuls of honey, eating it on the spot, sharing it with friends who may be helping him. When they have had their fill they throw down what is left to those waiting below. If by themselves, they fill a special bark honey container or a basket lined with leaves, and bring the rest back to camp. There it is shared by all, either being eaten in the comb or warmed in leaf containers over the fire. If it is full of white maggots it is particularly prized, and will almost certainly be warmed to loosen the honey until the maggots wriggle, at which point it is consumed with relish.

If the honey is very dirty, full of rotten bark or leaf mold, it is wrapped in a leaf container and immersed in water. When it is pulled

[P.276-C]

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302
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372

[225]

29. A hunting fire is lit to announce to the forest that the hunt is setting out. Hunters on their way will pass by, but no special ritual is performed.

J: Turnbull E-5 (1951-1958) 1962 FO4 Pygmies FO4
Mbuti
Congo-Kinshasa FO1

PC
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415

A Pygmy woman (right) helps a villager pound locally grown rice.

[P.72-K]

St Turnbull E-6 (1951-1956) 1962 FO4 Pygmies FO4
Mbuti

were women. They sang right through the evening and now and then stood up and danced in a bashful circle around one of the fires. They sang songs whose words had no particular significance, but which in themselves were of the greatest significance, being songs sung only by adult women. That was why so many of the mothers and grandmothers had assembled, to welcome their daughters into their midst again, no longer as children, but as friends and partners in adult life. Some of the women looked sad, for they knew that this meant that the girls would soon get married, and then they would almost certainly leave to join their husbands in other camps.

Akidiminha was very different from her usual boisterous self. She was still self-assured, and she bounced her breasts up and down as flagrantly as ever, but perhaps she was subdued by the thought that she was no longer the leader of a group of young girls, but only a young and inexperienced member of womanhood, with all the responsibilities this entailed.

Kidaya too was thoughtful. While the others sang Kidaya sat with her back to them, fondling a large clay cooking pot. She tapped on it with her fingers, keeping time to the music. Then she drew it close and held the mouth of the pot against her stomach, bending her head down to listen to the effect. It evidently pleased her, because she continued the experiment by taking hold of her breasts and forcing them into the mouth of the pot, squirming around until she was comfortable. Then she moved her body rhythmically, producing a variety of curious sounds, not only in the tone of the drumming of her hands, but by making sucking noises as the air was forced in and out. When she tired of that she put the pot between her knees, and sang quietly into the mouth of it, getting a deep reverberating effect. This sounded so much like the molimo that the men started, and one of the women turned and said something sharply to Kidaya. Kidaya herself was a little startled and put the pot away from her. She relapsed into a thoughtful mood, slowly and deliberately rubbing

415 177 439 Also obtained from the Negroes are the cooking pots that all pygmy women own, essential for water storage and cooking. These pots are made by Negro women, and by relatively few Negro women at that; pottery making is a specialist occupation.

372 **Fire.**—The pygmies do not know how to make fire, nor do many of the Negroes with whom they are associated. Throughout all this countryside people keep fires going, and when one fire dies out the people will borrow it from each other. While on the march the pygmies carry glowing embers with them; they can keep a brand lighted for ten miles during a rainstorm. They do this by wrapping the burning ends in green leaves, and swinging it up and down; every two or three minutes they uncover it a bit and blow on it. At night these brands serve as torches. The Negroes have special wood which they use for torches but the pygmies do not. Their firewood is always fallen wood, and therefore always somewhat rotten and punky.

342 462 **Houses.**—When the pygmies have chosen a new camp, the women go out into the forest a little way to collect building materials. Each woman [824] brings in a bundle of sticks about half an inch thick, and from three to six feet in length; she also brings a bundle of sarcophrynium leaves. She thrusts the ends of the sticks in the ground around in a circle about five feet in diameter. Then she gets inside the circle, and bends opposite pairs of sticks inward, and ties them together. She does this in the following manner: first she takes a stick in each hand, then she brings them together, then she holds the two with one hand, and wraps with the other.

342 462 476 This technique is not easy; it is much easier if two women work together, and in practice this is usually the case. The first woman, who is to